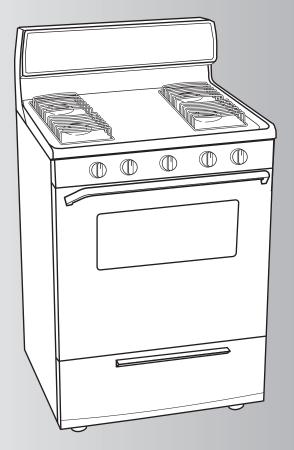
Installation Instructions

30" (76.2 cm) Freestanding Gas Range

standing pilot with standard clean oven



Quick Reference

Table of Contents: Pages

- Before you start
- 3 Product dimensions
- 3 Cutout dimensions/requirements
- 4 Gas supply requirements
- 5 7 Installation steps
- 8 10 Gas conversions
 - 10 Moving the range
 - 11 If range does not operate
 - If you need assistance/service





AWARNING



Tip Over Hazard

A child or adult can tip the range and be killed.

Connect anti-tip bracket to rear range foot

Reconnect the anti-tip bracket, if the range is moved.

Failure to follow these instructions can result in death or serious burns to children and adults.

IMPORTANT: Read and save these instructions.

IMPORTANT:

Installer: Leave Installation
Instructions with the homeowner.
Homeowner: Keep Installation
Instructions for future reference.
Save Installation Instructions for local

electrical inspector's use.

www.whirlpool.com

Write down the model and serial numbers before installing range.

Both numbers are on the model/serial rating plate, located on the oven frame behind the left side of the broiler door.

Model #	
Serial #	
Ochlai II	

Part No. 98014106

Before you start...

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING". These words mean:

ADANGER

You can be killed or seriously injured if you don't immediately follow instructions.

AWARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electrical switch.
 - Do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone.
 Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Important: Observe all governing codes and ordinances.

Do not obstruct flow of combustion and ventilation air.

This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 — latest edition*.

Cabinet opening dimensions shown must be used. Given dimensions are minimum clearances.

When installing a range under existing cabinets and the installation does not meet the minimum cabinet clearances, install a range hood above the cooktop to avoid burn hazards.

Proper installation is your responsibility. A qualified technician must install this range. Make sure you have everything necessary for correct installation. It is the installer's responsibility to comply with installation clearances specified on the gas information label. The gas information label and model/serial rating plate are located on the frame behind the broiler door.

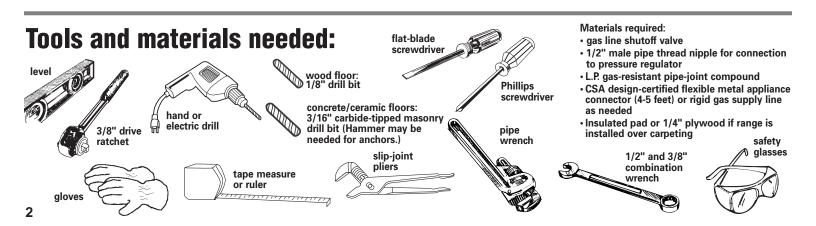
Mobile home installation

The installation of this range must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 [formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD (Part 280)] or, when such standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1 and Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A**, or with local codes.

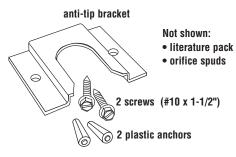
When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above.

Copies of the standards listed may be obtained from:

- * CSA International 8501 East Pleasant Valley Road Cleveland, Ohio 44131-5575
- ** National Fire Protection Association One Batterymarch Park Quincy, Massachusetts 02269



Parts supplied for installation:



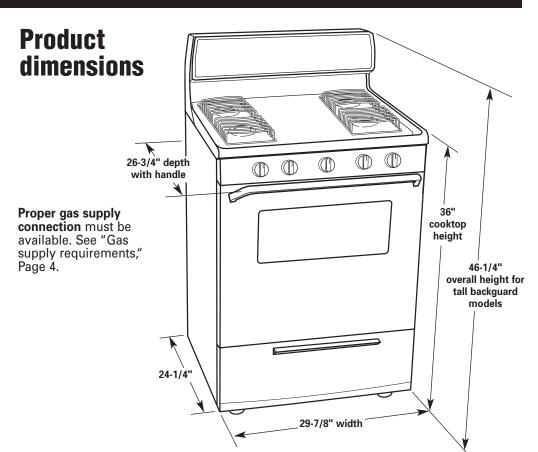
(Bracket must be securely mounted to sub-floor. Thickness of flooring may require longer screws to anchor the bracket to sub-floor.)

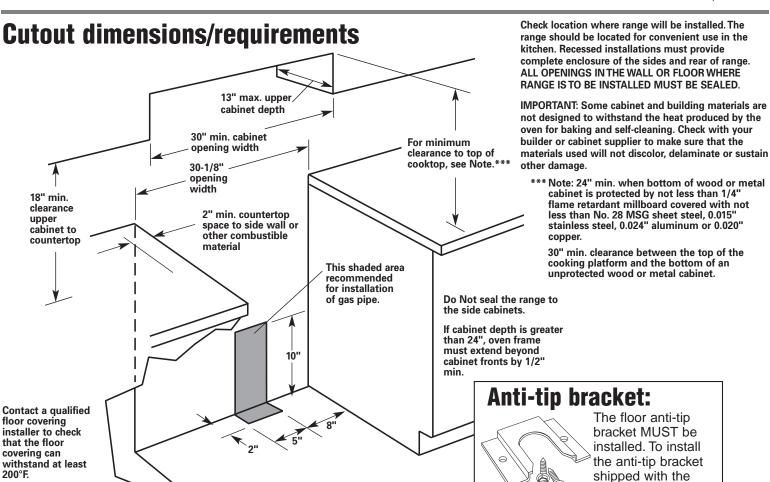
Use an insulated pad or 1/4" plywood

installing range over

under range if

carpeting.





range, see Page 7 and the anti-tip

bracket template.

Gas supply requirements

AWARNING



Explosion Hazard

Use a new CSA approved gas supply line.

Install a shut-off valve.

Securely tighten all gas connections.

If connected to LP, have a qualified person make sure gas pressure does not exceed 14" water column. Examples of a qualified person include:

licensed heating personnel; authorized gas company personnel; and, authorized service personnel.

Failure to do so can result in death, explosion, or fire.

In the State of Massachusetts, the following installation instructions apply:

- Installations and repairs must be performed by a qualified or licensed contractor, plumber, or gasfitter qualified or licensed by the State of Massachusetts.
- If using a ball valve, it shall be a T-handle type.
- A flexible gas connector, when used, must not exceed 3 feet.

Observe all governing codes and ordinances.

This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 — latest edition*.

Input ratings shown on the model/serial rating plate are for elevations up to 2,000 feet. For assistance when installing the range at higher elevations, contact your local service company.

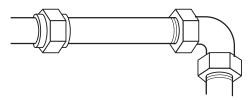
Type of gas: This range is design-certified by CSA International for use with Natural gas or, after proper conversion, for use with L.P. gas. This range is factory set for use with Natural gas. Gas conversion instructions are provided on pages 8-9. The model/serial rating plate located on the frame behind the broiler drawer has information on the type of gas that can be used. If the type of gas listed does not agree with the type of gas available, check with the local gas supplier. Conversion must be done by a qualified service technician.

Gas supply line: Provide a gas supply line of 3/4" rigid pipe to the range location. With L.P. gas, piping or tubing size can be 1/2" minimum. A smaller size pipe on longer runs may result in insufficient gas supply. Usually, L.P. gas suppliers determine the size and materials used in the system.

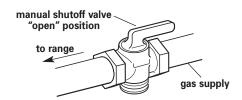
Pipe-joint compounds made for use with L.P. gas must be used on pipe threads only.



Flexible metal appliance connector: If local codes permit, a new CSA design-certified, 1/2" or 3/4" I.D., flexible metal appliance connector is recommended for connecting range to the gas supply line. A 1/2" male pipe thread nipple is needed for connection to pressure regulator connection fitting. Do Not kink or damage the flexible metal tubing when moving the range.



Rigid pipe connection: Requires a combination of pipe fittings to obtain an in-line connection to the range. All strains must be removed from the supply and fuel lines so range will be level and in line.



Shutoff valve: The supply line must be equipped with a manual shutoff valve. This valve should be located in the same room as the range and should be in a location that allows ease of opening and closing. The valve is for turning on or shutting off gas to the range. Do Not block access to shutoff valve.

Pressure regulator: The gas pressure regulator supplied with this range must be used. The inlet pressure to the regulator should be as follows for proper operation:

NATURAL GAS:

Minimum pressure: 5 inches WCP Maximum pressure: 14 inches WCP

L.P. GAS:

Minimum pressure: 11 inches WCP Maximum pressure: 14 inches WCP

Contact local gas supplier if you are not sure about the inlet pressure.

Line pressure testing above 1/2 psi gauge (14" WCP) — The range and its individual manual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psig (3.5 kPa).

Line pressure testing at 1/2 psi gauge (14" WCP) or lower — The range must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of that system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Copies of the standards listed may be obtained from:

* CSA International 8501 East Pleasant Valley Road Cleveland, Ohio 44131-5575

Now start...

AWARNING

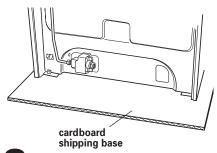
Excessive Weight Hazard Use two or more people to move and install range.

Failure to do so can result in back or other injury.

Put on safety glasses and gloves.

Do Not use oven door handle to lift or move the range.

Remove oven racks and parts package from inside oven. Remove shipping materials, tape and protective film from range.



3 • Keep cardboard shipping base under range to prevent damage to floor covering.

AWARNING



Tip Over Hazard

A child or adult can tip the range and be killed.

Connect anti-tip bracket to rear range foot.

Reconnect the anti-tip bracket, if the range is moved.

Failure to follow these instructions can result in death or serious burns to children and adults.

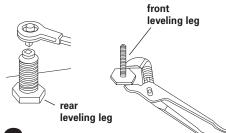
Contact a qualified floor covering installer for the best procedure for drilling mounting holes through your type floor covering.

Use the anti-tip bracket template/instruction sheet to install the anti-tip bracket.

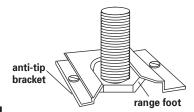
Anti-tip bracket must be anchored securely to the sub floor.

Depending on the thickness of your flooring, longer screws may be needed to anchor the bracket to the sub floor. Longer screws are available from your local hardware store.

5 • Check that range is still on cardboard shipping base to protect floor covering. Move range close to final location.



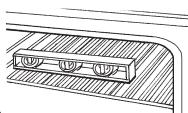
Remove cardboard shipping base from under range. Open broiler door. Use a 3/8" drive ratchet to lower rear leveling legs one-half turn. Use slip-joint pliers to lower front leveling legs one-half turn.



■ Making sure the anti-tip bracket is installed:

- Look for the anti-tip bracket securely attached to floor.
- Slide range back so rear range foot is under anti-tip bracket.

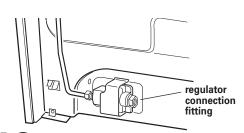
If installing the range in a mobile home, you MUST secure the range to the floor. Any method of securing the range is adequate as long as it conforms to the "Manufactured Home Construction and Safety Standard," Page 2.



Place rack in oven. Place level on rack, first side to side; then front to back. If range is not level, pull range forward until rear leveling leg is removed from the anti-tip bracket. Use 3/8" drive ratchet and channel lock pliers to adjust leveling legs up or down until range is level. Push range back into position. Check that rear leveling leg is engaged in anti-tip bracket.

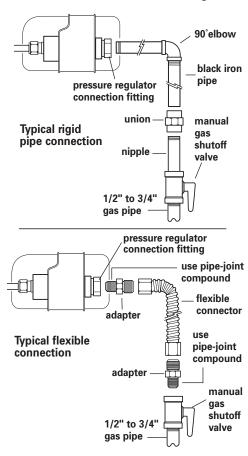
NOTE: Oven must be level for satisfactory baking conditions.

Gas connection



Assemble the flexible connector to the gas supply pipe to the pressure regulator connection fitting, using the adapter fittings provided with the flexible connector. Use pipe-joint compound made for use with L.P. gas to seal all pipe thread connections.

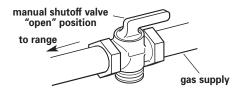
All connections must be wrench-tightened.



A 1/2" male pipe thread is needed for connection to pressure regulator female pipe threads.

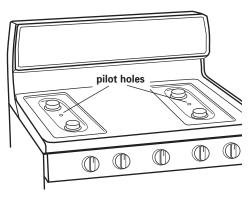
If a flexible appliance connector is used, be certain connector is not kinked.

12 Check that all control knobs are in the "OFF" position.



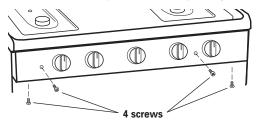
13 Open the manual shutoff valve in the gas supply line.

Test all connections by brushing on an approved non-corrosive leak-detection solution. Bubbles will show a leak. If a leak appears, shut off gas supply valve and tighten connections. Then check connections again. Clean all leak-detection solution from gas connections. Close broiler door.

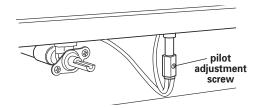


Light the burner pilots. Place a lit match through the small pilot holes in the cooktop located between front and rear burners. You must see a pilot flame in each pilot hole. Note: The pilot flames should be 3/8" to 1/2" high.

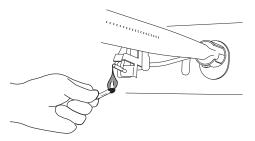
If surface burner pilots need adjusting:



a. Remove control knobs and 4 screws that attach control panel to range cabinet. Pull control panel forward to remove. Set panel, screws and knobs aside.



b. Adjust pilot adjustment screw until pilot flame tips are 3/8" to 1/2" high and centered in the pilot housing. If the flame is too high, carbon (soot) will form on underside of maintop.

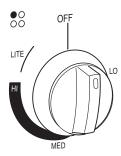


16 ■ Open broiler door. Hold a match to the opening in the top of the pilot area at the rear of the oven burner. No pilot adjustments are needed. Close broiler door.

Place burners and grates on cooktop. Do not reinstall control panel, it will be reinstalled in Step 19.

Check operation

Check operation of cooktop

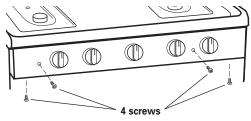


18 If control panel and knobs were removed in Step 15a, replace knobs

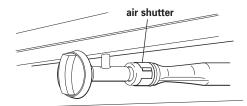
Push in and turn each surface unit control knob to "LITE" position. The flame should light within 4 seconds. Turn control knob to "HI" position after burner lights.

Check each cooktop burner for proper flame. The small inner cone should have a very distinct blue flame 1/4" to 1/2" long. The outer cone is not as distinct as the inner cone. If the flame is noisy or blowing, it is getting too much air. If the flame is soft and lazy, it is not getting enough air. Turn each surface burner control knob to "OFF" position. Adjust air shutter if needed.

If surface burner air shutters need adjusting:



- **a.** If control knobs were not removed in Step 15a, remove control knobs and 4 screws that attach control panel to range cabinet. Pull control panel forward to remove. Set panel and screws aside.
- **b.** Replace control knob for burner to be adjusted. Push knob in and turn to "LITE" position. When burner lites, turn to "HI" position.



c. Adjust the air shutter by hand as needed. Close the air shutter to decrease the amount of air to the flame. Open the air shutter to increase the amount of air to the flame.

Adjust the air shutter to the widest opening that will not cause the flame to lift or blow off the burner.

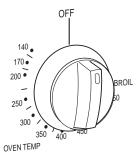
Turn burner off and remove knob.
As needed, adjust other air shutters.

Replace control panel and tighten screws securely. Replace control knobs.

Push in and turn each cooktop control knob from "LITE" to "LO" setting quickly. The low flame should be a minimum, steady blue flame. If flame needs to be adjusted, turn control knob to the "LO" setting and remove control knob. Insert a small flatblade screwdriver into the valve stem. Turn the valve screw to obtain the smallest flame that will not go out when the control of a cold burner is quickly turned from "HI" to "LO". Repeat for other cooktop burners as needed.

Check operation of oven/broil burner

21 Open broiler drawer.

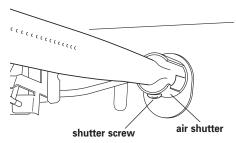


Push in and turn the oven control knob to "350°F." The oven pilot should now be larger with the flame burning against a small metal bulb. The oven burner should light in 20-40 seconds; this delay is normal. The oven valve requires a certain

time before it will open and allow gas to flow.

The oven burner will burn until oven temperature has reached 350°F. At that temperature, the oven pilot should get smaller. After 20-40 seconds, the oven burner will begin to cycle on and off to maintain the 350°F temperature.

22 ■ Check the oven burner for proper flame. The flame should be 1/2" long, with inner cone of bluish-green, and outer mantle of dark blue, and should be clean and soft in character. No yellow tips (not enough air), blowing or lifting (too much air) of flame should occur.



If oven flame needs adjusting:

- a. Turn the oven off.
- **b.** Wait for the oven burner to cool down.
- **c.** Locate the air shutter near the rear wall of oven and loosen the shutter screw.
- **d.** Adjust the air shutter.
- **e.** Turn the oven back on and check for proper flame. If the flame is still not properly adjusted, turn the oven off, wait for the oven burner to cool down and repeat Step "d" until flame is properly adjusted.
- **f.** When the flame has been properly adjusted, turn the oven off, wait for the burner to cool down and tighten the shutter screw.

23 Close the broiler door. Turn oven control knob to "OFF."

You have just finished installing your new range. To get the most efficient use from your range, read your Use & Care Guide. Keep Installation Instructions and Guide close to range for easy reference. The instructions will make installing the range in another home as easy as the first installation.

Gas conversion

Gas conversions (from Natural gas to L.P. gas; or from L.P. gas to Natural gas) must be done by a qualified installer.

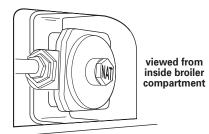
AWARNING



Fire Hazard
Shut off gas supply line valve.
Make all conversions before
turning gas supply valve back on.
Failure to follow these instructions
can result in explosion, fire or
other injury.

L.P. gas conversion

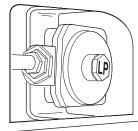
Complete installation Steps 1-9 (Pages 5-6) before converting cooktop to L.P. gas. Check that the manual shutoff valve in the gas supply line has been turned off.



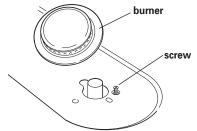
Open broiler drawer and remove broiler pan. The pressure regulator is located in the back right hand corner of the broiler compartment.

DO NOT REMOVE THE PRESSURE REGULATOR.

Pressure regulator:
Remove the cap from the pressure regulator. Turn the cap over so



that LP is visible. Replace the cap.

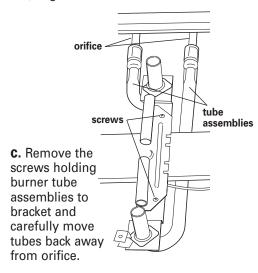


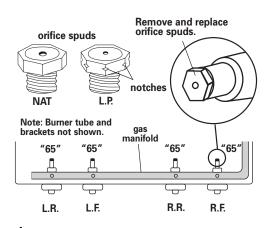
Remove burner grates, burners and screws. Lift cooktop. NOTE: There is no cooktop support rod.

5 • Cooktop burners:

a. Check that all control knobs are in the OFF position and remove the knobs.

b. Remove the control panel. (See Step 15a, Page 6.)





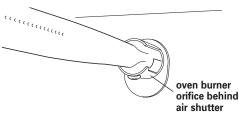
d. Locate L.P. gas orifice spuds for top burners in literature package included with the range. L.P. gas spuds are stamped "65". Remove Natural gas orifice spuds using a 3/8" combination wrench. Install L.P. gas orifice spuds to replace the Natural gas orifice spuds.

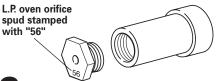
Place Natural gas orifice spuds in plastic parts bag for future use and keep with literature package.

Reinstall burner tube assemblies and tighten screws securely.

e. Lower cooktop. Reinstall screws to secure burner tube assemblies to cooktop and tighten securely. Reinstall burners and burner grates.

Do not reinstall control panel or knobs. They will be reinstalled at Step 11, Page 9.





Oven burner:

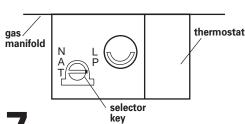
a. Carefully pull oven burner away from back wall of oven just enough to access the orifice spud located behind the burner's air shutter.

b. Locate L.P. gas orifice spud stamped "56" in literature package supplied with range.

c. Use a 3/8" combination wrench and remove the natural gas orifice spud. Install the number "56" L.P. gas spud.

Place natural gas oven burner spud in plastic parts bag along with natural gas cooktop burner spuds for future use and keep with literature package.

d. Reinstall the oven burner.



Locate selector key on oven thermostat and turn clockwise to the L.P. position.

Turn manual shutoff valve in gas supply line on. If "Gas connection" Steps 10-17 on Pages 5-6 were not completed, complete them now.

Light the burner pilots. See Step 15, Page 6. Adjust the pilot flame as shown in Step 15b. NOTE: This must be done after conversion is completed.

10 Light the oven burner pilot.

Install control knobs. Check for proper flame. The cooktop burner flames should have a small inner cone with a very distinct blue flame 1/4" to 1/2" long. The outer cone is not as distinct as the inner cone. The oven burner flame should be 1/2" long with a bluish-green inner cone and dark blue outer mantle. L.P. gas flames have a slightly yellow tip. If the flames are noisy or blowing, they are getting too much air. If the flames are soft and lazy, they are not getting enough air. If burners need adjusting, see "Check operation" section, Steps 18-23, Page 7.

12 Close broiler door. Turn oven control knob to "OFF."

Remove control knobs.
Reinstall the control panel. Securely tighten the 4 screws. Reinstall the control knobs. (The oven control is the center knob.)

Important: If not done in Step 9, check the "LO" flame adjustment. See "Check operation" section, Step 20, Page 7.

Natural gas conversion

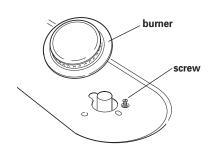
Check that the manual shutoff valve in the gas supply line has been turned off.



Open broiler drawer and remove broiler pan. The pressure regulator is located in the back right hand corner of the broiler compartment.

DO NOT REMOVE THE PRESSURE REGULATOR.

Pressure regulator: Remove the cap from the pressure regulator. Turn the cap over so that N or NAT is visible. Replace the cap.

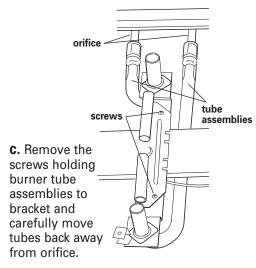


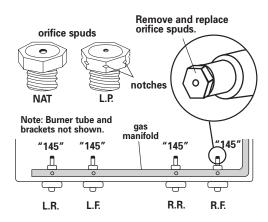
Remove burner grates, burners and screws. Lift cooktop. NOTE: There is no cooktop support rod.

5 Cooktop burners:

a. Check that all control knobs are in the OFF position and remove the knobs.

b. Remove the control panel. (See Step 18a, Page 7.)





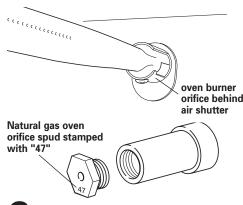
d. Locate Natural gas orifice spuds for top burners in literature package included with the range. Natural gas spuds are stamped "145". Remove Natural gas orifice spuds using a 3/8" combination wrench. Install Natural gas orifice spuds to replace the L.P. gas orifice spuds.

Place L.P. gas orifice spuds in plastic parts bag for future use and keep with literature package.

Reinstall burner tube assemblies and tighten screws securely.

e. Lower cooktop. Reinstall screws to secure burner tube assemblies to cooktop and tighten securely. Reinstall burners and burner grates.

Do not reinstall control panel or knobs. They will be reinstalled at Step 11, on Page 10.



6 • Oven burner:

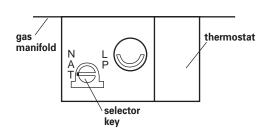
a. Carefully pull oven burner away from back wall of oven just enough to access the orifice spud located behind the burner's air shutter.

b. Locate Natural gas orifice spud stamped "47" in literature package supplied with range.

c. Use a 3/8" combination wrench and remove the L.P. gas orifice spud. Install the number "47" Natural gas spud.

Place L.P. gas oven burner spud in plastic parts bag along with L.P. gas cooktop burner spuds for future use and keep with literature package.

d. Reinstall the oven burner.



Locate selector key on oven thermostat and turn counterclockwise to the Natural position.

Turn manual shutoff valve in gas supply line on. If "Gas connection" Steps 10-17 on Pages 5-6 were not completed, complete them now.

9 ■ Light the burner pilots. See Step 15, Page 6. Adjust the pilot flame as shown in Step 15b. NOTE: This must be done after conversion is completed.

10 Light the oven burner pilot.

Install control knobs. Complete "Check operation" section, Steps 18-23, Page 7. Check for proper flame. Natural gas flames do not have yellow tips.

12 Close broiler door. Turn oven control knob to "OFF".

Remove control knobs.
Reinstall the control panel. Securely tighten the 4 screws. Reinstall the control knobs. (The oven control is the center knob.)

Important: If not done in Step 9, check the "LO" flame adjustment. See "Check operation" section, Step 20, Page 7.

Moving the range:

AWARNING



Tip Over Hazard

A child or adult can tip the range and be killed.

Connect anti-tip bracket to rear range foot.

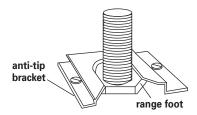
Reconnect the anti-tip bracket, if the range is moved.

Failure to follow these instructions can result in death or serious burns to children and adults.

When moving range, slide range onto cardboard or hardboard to prevent damaging the floor covering.

If removing the range is necessary for cleaning or maintenance:

- 1. Shut off the gas supply to the range.
- 2. If necessary, slide range forward, away from the wall, just far enough to disconnect the gas supply line.
- 3. Slide range forward to complete cleaning or maintenance.



4. Making sure the anti-tip bracket is installed:

- Look for the anti-tip bracket securely attached to floor.
- Slide range back so rear range foot is under anti-tip bracket.
- 5. Check that range is level.
- 6. Reconnect gas line to range and check for leaks.

For cleaning and maintenance...

Pull the range away from the wall only far enough to complete cleaning or maintenance.

Move range back into operating position. Remove drawer. Level the range. Make sure that left rear leveling leg is engaged in the anti-tip bracket.

If range does not operate:

Check that gas line is turned on.

See Use and Care Guide for troubleshooting list.

Note: Refer to Use and Care Guide for operating and cleaning instructions.

If you need assistance:

If you have questions about operating, cleaning or maintaining your range:

Refer to **Use and Care Guide**.

Call the Customer Interaction Center.
Check your Use and Care Guide for a toll-free number to call or call the dealer from whom you purchased this appliance. The dealer is listed in the Yellow Pages of your phone directory under "Appliances — Household — Major — Service and Repair."

If you need service:

Maintain the quality built into your range by calling an authorized service company.

To obtain the name and number of the authorized service company:

Contact the dealer from whom you purchased your range; or

Look in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service and Repair;" or

Call the Customer Interaction Center.
The toll-free number is listed in your
Use and Care Guide.

When you call, you will need:

The range model number.

The range serial number.

Both numbers are listed on the model/serial rating plate located on the frame behind the broiler door.